

FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/700,381	ATTY. DOCKET NO.: D0540-700410
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 4, 2004	CONFIRMATION NO.: 5795
		APPLICANT: David Hunniford, et al.	
		GROUP ART UNIT: 1724	EXAMINER: Chester T. Barry
Sheet	1	of	1

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

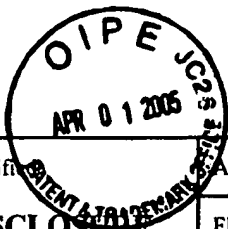
OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
CTB		"Chemical Control of Hydrogen Sulfide From Anaerobic Swine Manure," Canadian Agricultural Engineering, pp. 90-96, vol. 17, No. 2, Dec. 1975.		
CTB		"Sewage Works Journal," published by California Sewage Works Association, Jul. 1946, vol. XVIII, No. 1, pp. 34-45.		
CTB		"Industrial Odor Technology Assessment," Ann Arbor Science Publishers Inc., pp. 117-147, 1956.		

EXAMINER CHESTER T. BARRY PRIMARY EXAMINER	DATE CONSIDERED 12/27/05
---	-----------------------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided either because it was previously cited by or submitted to the office in a prior application, Serial No. ___, filed ___, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications) or because a copy of this reference need not be provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.



FORM PTO-1449/A and B (Modified)		APPLICATION NO.: 10/700,381	ATTY. DOCKET NO.: D0540-700410
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		FILING DATE: November 4, 2004	CONFIRMATION NO.: 5795
		APPLICANT: David Hunniford, et al.	
		GROUP ART UNIT: 1724	EXAMINER: Chester T. Barry
Sheet	1	of	1

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			
CTB		JP	57187099	A	IDEMITSU KOSAN CO LTD.	11-17-1982	
CTB		DE	34 14556	A1	Rheinisch-Westfälische Wasserwerksgesellschaft mbH	10-31-1985	

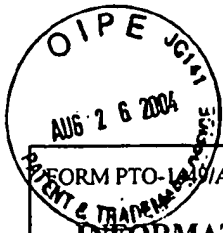
OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
CTB		"Effect of Nitrate on Biogenic Sulfide Production", Applied and Environmental Microbiology, Jun. 1986, vol. 51, No. 6, pp. 1205-1211. (7 pages)		
CTB		"Odor and Corrosion Control in Sanitary Sewerage Systems and Treatment Plants", EPA Design Manual, Oct. 1985, pp. 53, 60, 71, 75, 76.		
CTB		"Odor Control and Olfaction", Pollution Sciences Publishing Company, pp. 85, 454, 457, undated.		

EXAMINER CHESTER T. BARRY PRIMARY EXAMINER	DATE CONSIDERED 12/27/05
---	-----------------------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to applicant.

*a copy of this reference is not provided either because it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications) or because a copy of this reference need not be provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.



FORM PTO-1430/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/700,381	ATTY. DOCKET NO.: D0540-700410
		FILING DATE: November 4, 2003	CONFIRMATION NO.: 5795
		APPLICANT: Hunniford, et al.	
		GROUP ART UNIT: 1724	EXAMINER: Not Yet Assigned
Sheet	1	of	1

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
CTB		RE37,181*	E	Hunniford, et al.	05/22/2001
CTB		3,607,736*		Miyaji	09/21/1971
CTB		6,309,597*	B1	Ballinger, Jr., et al.	10/30/2001

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)	
CTB		Patent Abstracts of Japan, Publication Number: 10328676, Publication date: December 15, 1998, Application Date: May 30, 1997, Application Number 09141422, Applicant: Itochu Corp., Inventor: Masuko Mitsuhiro, Title: METHOD AND APPARATUS FOR CONTROLLING INJECTION OF HYDROGEN SULFIDE REMOVING AGENT.		
CTB		Patent Abstracts of Japan, Publication Number: 11156374, Publication Date: June 15, 1999, Application Date: November 27, 1997, Application Number: 09326091, Applicant: Kurita Water Ind Ltd., Inventor: Masuko Mitsuhiro, Title: METHOD AND APPARATUS FOR CONTROLLING INJECTION OF HYDROGEN SULFIDE REMOVING AGENT.		

EXAMINER CHESTER T. BARRY PRIMARY EXAMINER	DATE CONSIDERED 12/27/05
--	-----------------------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications), or a copy of this reference need not be provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



FORM PTO-159/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/700,381	ATTY. DOCKET NO.: D0540-700410
		FILING DATE: November 4, 2003	CONFIRMATION NO.: 5795
		APPLICANT: David J. Hunniford, et al.	
		GROUP ART UNIT: 1724	EXAMINER: Not Yet Assigned
Sheet			

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/Country	Number	Kind Code			

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
CTB	1	"Process Design Manual for Sulfide Control In Sanitary Sewerage Systems", U.S. Environmental Protection Agency, Oct. 1974, pp. 5-34 and 5-35.	
	2	BRYAN, A.C., "Experiences With Odor Control at Houston Texas", Sew. & Ind. Wastes, 28, 1512-1514 (1956).	
	3	CARPENTER, W.T., "Sodium Nitrate Used to Control Nuisance", Water Works and Sew., 79, 175 (1932).	
	4	ELIASSEN, R., et al., "The Effect of Chlorinated Hydrocarbons on Hydrogen Sulfide Production", Sew. Works Jour., 21, 457 (1949)..	
	5	FALES, A.L., "Treatment of Industrial Wastes from Paper Mills and Tannery on Neponset River", Jour. Ind. Eng. Chem., 21, 216 (1929).	
	6	HEUKELEKIAN, H., "Effect of the Addition of Sodium Nitride to Sewage on Hydrogen Sulfide Production and B.O.D. Reduction", Sewage Works Journal 15(2):255-261 (1943).	
	7	HEUKELEKIAN, H., "Some Bacteriological Aspects of Hydrogen Sulfide Production from Sewage", Sew. Works Jour. 20, 490 (1948).	
	8	LAWRANCE, W.A., "The Addition of Sodium Nitrate to the Androscoggin River", Sew. and Ind. Wastes, 22, 820 (1950).	
	9	LORGAN, G.P., et al., "Nitrate Addition for the Control of Odor Emissions from Organically Overloaded, Super Rate Trickling Filters", 33rd Ann. Purdue Ind. Waste Conf., West Lafayette, Ind., (1978).	
	10	MCKINNEY, R.E., "The Role of Chemically Combined Oxygen in Biological Systems", Jour. San. Eng. Div., proc. Amer. Soc. Civil Engr., 82 SA4, 1053 (1956).	
	11	PODUSKA, R.A., "Operation, control, and Dynamic Modeling of the Tennessee Eastman Company Industrial Wastewater Treatment System", 34th Ann. Purdue Indust. Waste Conf., Lafayette, Md. (1970).	
	12	POMERY, R.D., "Controlling Sewage Plant Odors", Consulting Eng., Feb. 101 (1963).	
	13	POMEROY, R.D., et al., "Sulfide Occurrence and Control in Sewage Collection Systems", U.S. Environmental protection Agency, EPA 600/X-85-052, Cincinnati, Ohio (1985).	
	14	PRAKASAM, T.B.S., et al., "Microbial Denitrification of a Wastewater Containing high Concentrations of Oxidized Nitrogen", Proceedings of the 31st Industrial Wste Conference, May 4-6, 1976, Purdue University.	
	15	PRICE, E.C., et al., "Sewage Treatment Plants Combat Odor Pollution Problems", Water and Sew. Works, 64-69 (1978).	
	16	REID, G.W., et al., "Sewer Odor Studies", Sew. and Ind. Wstes, 28, 991 (1956).	
	17	RYAN, W.A., "Experiences with Sodium Nitrate Treatment of Cannery Wastes", Sew. Works Jour., 17, 1227 (1956).	
	18	SANTRY, I.W., Jr., "Hydrogen Sulfide Odor Control Measures", Jour. Water Poll. Control Fed., 38 459 (1966).	
	19	SANTRY, I.W., Jr., "Hydrogen Sulfide In Sewers", Jour. Water Poll. Control Fed., 35, 1580 (1963).	
	20	"Standard Methods for the Examination of Water and Wastewater", 14th Ed., Amer. Pub. Health Assn., Wash. D.C., 499-509 (1976).	
	21	PETER R. WILLENBRING et al., "Calcium Nitrate" (incomplete title), Oct. 1988 or earlier.	
	22	"Biochemical Oxidation of Polluted Lake Sediment with Nitrate—A new Lake Restoration Method", 1976.	
CTB	23	R.R. DAGUE, "Fundamentals of Odor Control", Journal Water Pollution Control Federation, 44(4): 583-594; Apr. 1972.	

FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT JUL 30 2003 PATENT & TRADEMARK OFFICE	APPLICATION NO.: 10/700,381	ATTY. DOCKET NO.: D0540-700410
	FILING DATE: November 4, 2003	CONFIRMATION NO.: 5795
	APPLICANT: David J. Hunniford, et al.	
	GROUP ART UNIT: 1724	EXAMINER: Not Yet Assigned
Sheet		

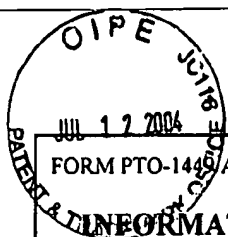
CJB	24	WILLIAM H. MOSS et al., "Full-scale use of physical/chemical treatment of domestic wastewater at Rocky River, Ohio", Journal Water Pollution Control Federation, 49(11): 2,249-2,254; Nov. 1977.		
	25	LEON S. DIRECTO et al., "Pilot plant study of physical-chemical treatment", Journal Water Pollution Control Federation, 64(1):2,081-2,098; Oct. 1977.		
	26	RICHARD A. PODUSKA et al., "Successful storage lagoon odor control", Journal Water Pollution Control Federation, 53(3):299,310; Mar. 1981.		
	27	POMEROY, JOHNSTON AND BAILEY, "Process Design Manual For Sulfide Control in Sanitary Sewage Systems", Oct. 1974.		
	28	"Basic Research On Sulfide Occurrence and Control In Sewage Collection Systems", National Technical Information Service, a-5 (Feb. 28, 1969).		
	29	BEARDSLEY, C.W., et al., "Removal of Sewer Odors By Scrubbing With Alkaline Solutions", Sewage and Industrial Wastes, vol. 30, 220 (1958).		
	30	LANG, M., "Chemical Control of Water Quality In A Tidal Basin", Journal WPCF, 1410-1418 (1966).		
	31	SANBORN, N.H., "Nitrate Treatment of Cannery Waste", The Fruit Products Journal and American Vinegar Industry, (1941).		
	32	"Methods For Chemical Analysis of Water and Wastes", U.S. Environmental Protection Agency, (1974).		
	33	PAINTER, H.A., "A Review of Literature on Inorganic Nitrogen Metabolism in Microorganisms", Water Research, The Journal of the International Association on Water Pollution Research, vol. 4, No. 6, (1970).		
	34	POMEROY, R.D., et al., "Feasibility Study on In-Sewer Treatment Methods", Municipal, Environmental Research Lab, Chapter 6, "Chemical Treatment", 77 (1977).		
	35	THISTLETHWAYTE, D.K.B., "The Control of Sulphides In Sewerage Systems", Ann Arbor Science Publishers Inc., Chapter 13, "Corrective Measures For Existing Systems", 159 (1972).		
CJB	36	"Water Supply and Sewerage", Ernest W. Steel, Chapter 27, pp. 600-601 (4th Ed. 1960).		

EXAMINER	CHESTERT. BARRY PRIMARY EXAMINER	DATE CONSIDERED 11/27/05
----------	--	-----------------------------

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications), or a copy of this reference need not be provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



FORM PTO-1449A and B (Modified)

**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Sheet

1

of

1

APPLICATION NO.: 10/700,381

ATTY. DOCKET NO.: D0540-700410

FILING DATE: November 4, 2003

CONFIRMATION NO.: 5795

APPLICANT:

GROUP ART UNIT: 1724

EXAMINER: Not Yet Assigned

U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
CIB		221,232*		Hirsh	11-04-1879
		1,701,825*		Seil	02-12-1929
		1,997,252*		Fischer	04-09-1935
		3,219,576*		Makabe	11-23-1965
		3,401,113*		Pruessner, et al.	09-10-1968
		3,502,566*		Raymond, et al.	03-24-1970
		3,607,736*		Miyaji	09-21-1971
		3,639,263*		Troschinski, et al.	02-01-1972
		3,867,284*		Kappe, et al.	02-18-1975
		3,930,998*		Knopp, et al.	01-06-1976
		3,959,127*		Bartha, et al.	05-25-1976
		3,959,130*		Kloster, et al.	05-25-1976
		3,966,450*		O'Neil, et al.	06-29-1976
		4,098,690*		Semmens	07-04-1978
		4,108,771*		Weiss	08-22-1978
		4,115,258*		Smith, et al.	09-19-1978
		4,148,726*		Smith	04-10-1979
		4,153,547*		McLean	05-08-1979
		4,297,216*		Ishida, et al.	10-27-1981
		4,505,819*		Barnes, et al.	03-19-1985
		4,725,405*		Cassin, et al.	02-16-1988
CIB		4,760,027*		Sublette	07-16-1998

EXAMINER

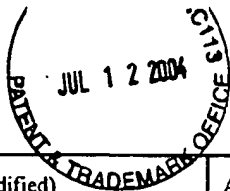
**CHESTERT T. BARRY
PRIMARY EXAMINER**

DATE CONSIDERED

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications), or a copy of this reference need not be provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]



FORM PTO-1449/A and B (Modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT		APPLICATION NO.: 10/700,381	ATTY. DOCKET NO.: D0540-700410
		FILING DATE: November 4, 2003	CONFIRMATION NO.: Not Yet Assigned
		APPLICANT: David J. Hunniford, et al.	
		GROUP ART UNIT: Not Yet Assigned	EXAMINER: Not Yet Assigned
Sheet	1 of 1		

U.S. PATENT DOCUMENTS

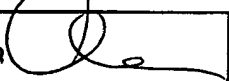
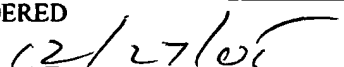
Examiner's Initials	Cite No.	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication or of issue of Cited Document MM-DD-YYYY
		Number	Kind Code		
CTB		RE36,651*		Hunniford, et al.	04-11-2000
		RE37,181*	E	Hunniford, et al.	05-22-2001
		3,300,404*		Howe, et al.	01-24-1967
		4,446,031*		List	05-01-1984
		4,501,668*		Merk, et al.	02-26-1985
		4,612,124*		Escrig	09-16-1986
		4,680,127*		Edmondson	07-14-1987
		4,681,687*		Mouché, et al.	07-21-1987
		4,911,843*		Hunniford, et al.	03-27-1990
		5,385,842*		Weimer, et al.	01-31-1995
		5,500,368*		Tatnall	03-19-1996
		5,833,864*		Miller, et al.	11-10-1998
		5,948,269*		Stone	09-07-1999
CTB		6,309,597*	B1	Ballinger, Jr., et al.	10-30-2001

FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document (not necessary)	Date of Publication of Cited Document MM-DD-YYYY	Translation (Y/N)
		Office/ Country	Number	Kind Code			

OTHER ART — NON PATENT LITERATURE DOCUMENTS

Examiner's Initials	Cite No	Include name of the author (in CAPITAL LETTERS) title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, relevant page(s), volume-issue number(s), publisher, city and/or country where published.	Translation (Y/N)
CTB		*Odor and Corrosion Control in Sanitary Sewerage Systems and Treatment Plants*, Copyright 1989, ISBN 0-8155-1192-2, pp. 59 and 60.	

EXAMINER CHESTERT. BARRY PRIMARY EXAMINER 	DATE CONSIDERED 
--	---

#EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*a copy of this reference is not provided as it was previously cited by or submitted to the office in a prior application, Serial No. __, filed __, and relied upon for an earlier filing date under 35 U.S.C. 120 (continuation, continuation-in-part, and divisional applications), or a copy of this reference need not be provided as the reference is a published U.S. Patent or U.S. Patent application and the present application was filed after June 30, 2003.

[NOTE - Must provide a copy of any patent, publication, other information listed, even if it was previously submitted to, or cited by, the U.S. Patent Office in an earlier application, unless the earlier application is identified by the IDS and is relied upon for an earlier filing date under 35 U.S.C. §120, and the copy was provided in the earlier application.]